

FIG. 1(a)

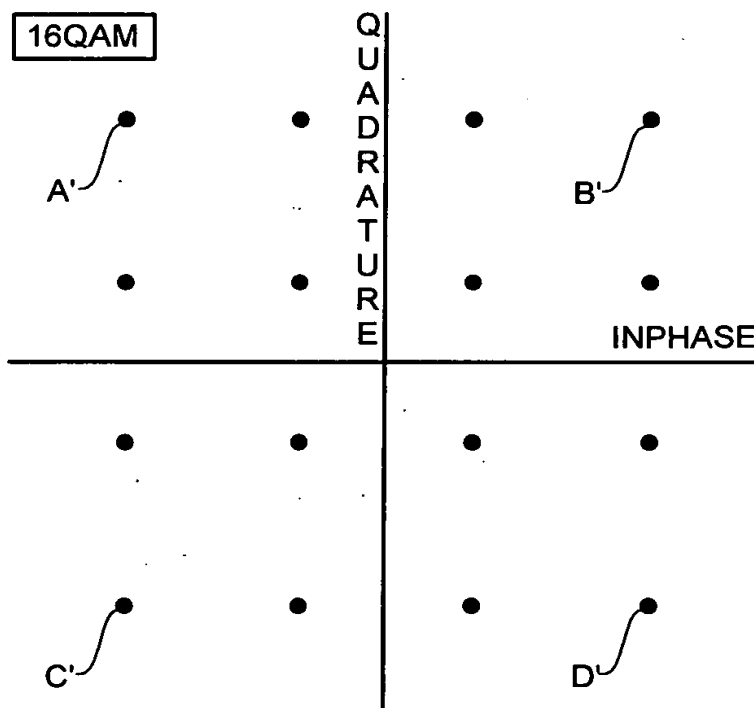


FIG. 1(b)

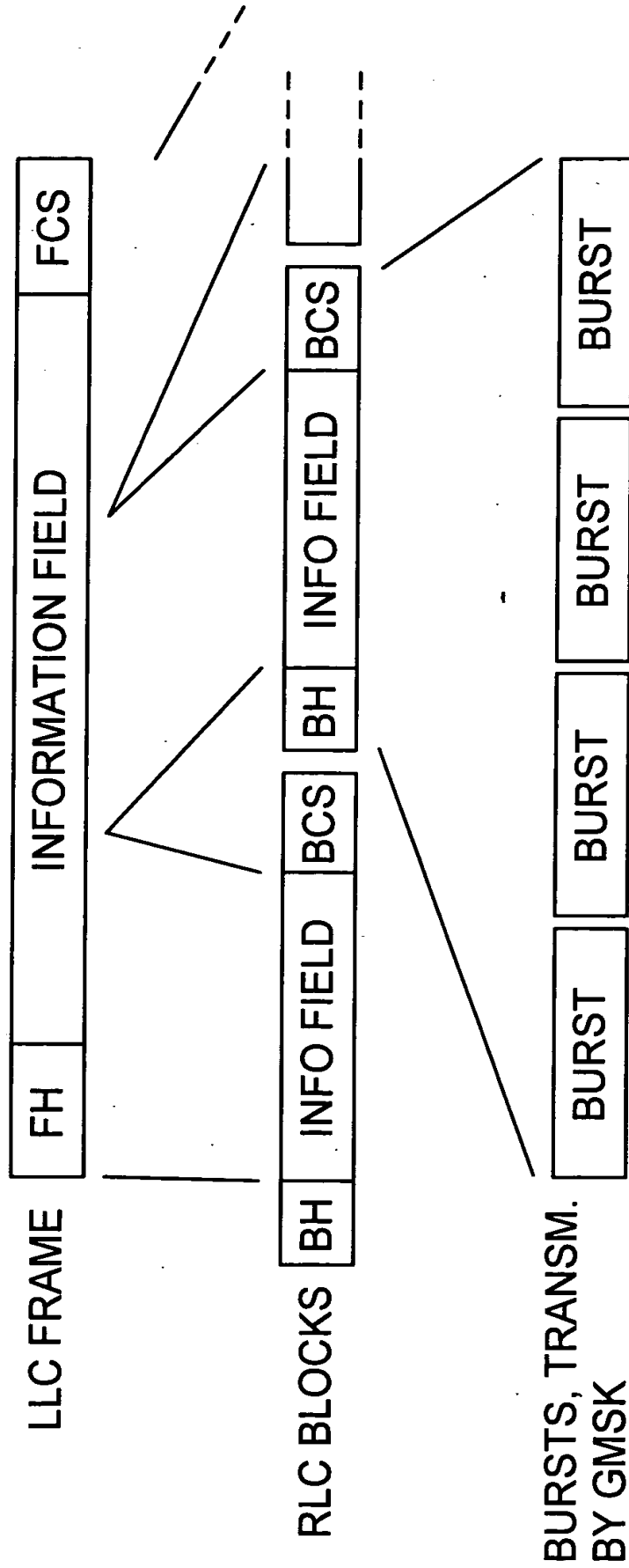


FIG. 2

686F20-686E260

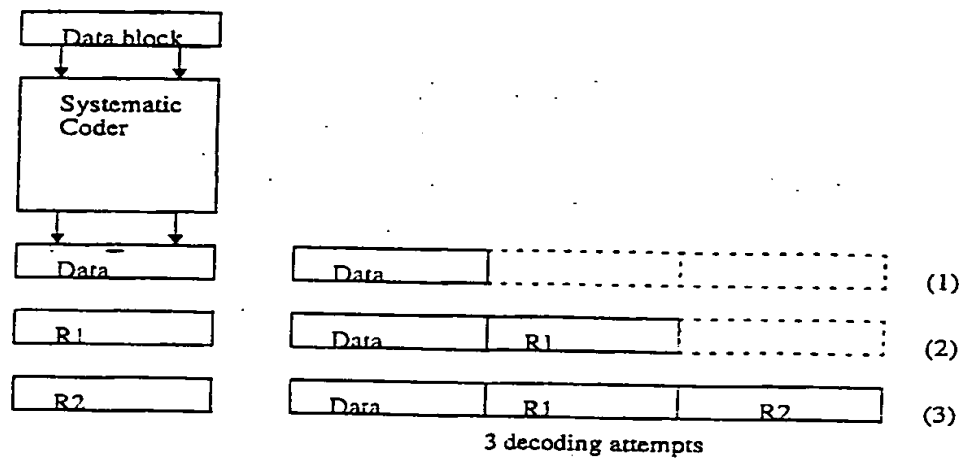


FIG. 3



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graph TD
    PSTN[18] --- GATEWAY_MSC[GATEWAY MSC 14]
    GATEWAY_MSC --> MSC1[MSC]
    GATEWAY_MSC --> MSC2[MSC]
    GATEWAY_MSC --> BSC1[BSC 16]
    GATEWAY_MSC --> BSC2[BSC 16]
    BSC1 --> BTS1_1[BTS 20]
    BSC1 --> BTS1_2[BTS 20]
    BSC1 --> BTS1_3[BTS 20]
    BSC2 --> BTS2_1[BTS 20]
    BSC2 --> BTS2_2[BTS 20]
    BSC2 --> BTS2_3[BTS 20]
    BTS1_1 --- MS1_1[12]
    BTS1_2 --- MS1_2[12]
    BTS1_3 --- MS1_3[12]
    BTS2_1 --- MS2_1[12]
    BTS2_2 --- MS2_2[12]
    BTS2_3 --- MS2_3[12]
    subgraph RBS_1 [RBS 22]
        BTS1_1
        BTS1_2
        BTS1_3
    end
    subgraph RBS_2 [RBS 22]
        BTS2_1
        BTS2_2
        BTS2_3
    end
    subgraph RBS_3 [RBS 22]
        BTS1_1
        BTS1_2
        BTS1_3
    end

```

FIG. 5(a)

BSC = Base Station Controller  
 GMSC = Gateway Mobile Switching Centre  
 VLR = Visitor Location Register  
 HLR = Home Location Register  
 SGSN = Serving GPRS Support Node  
 GGSN = Gateway GPRS Support Node

FIG. 5(b)

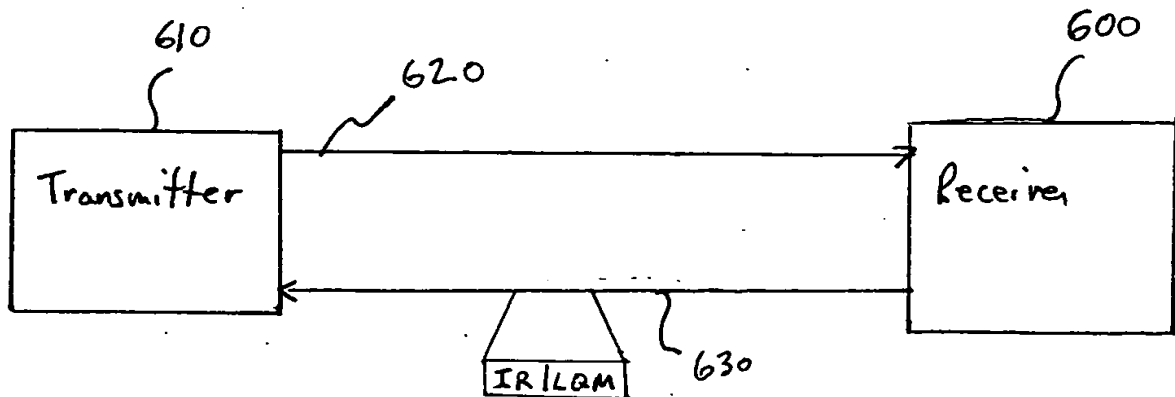


FIG. 6(a)

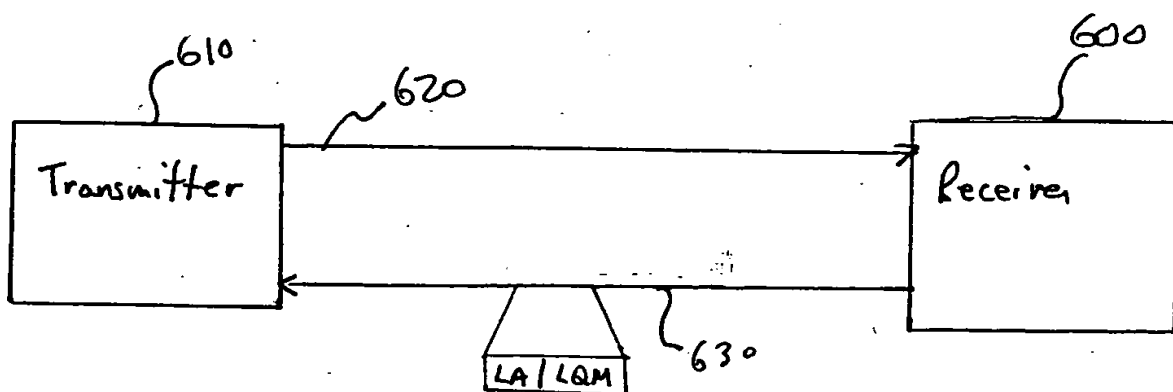


FIG. 6(b)

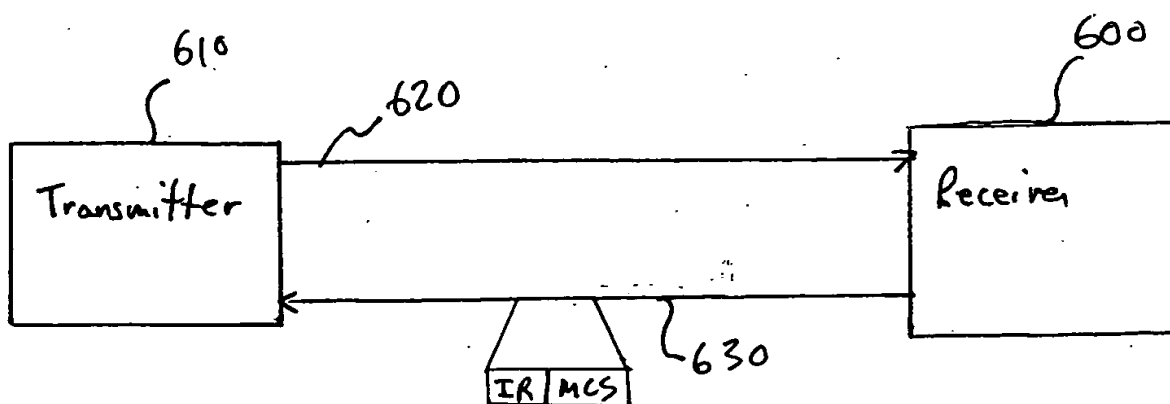


FIG. 6(c)

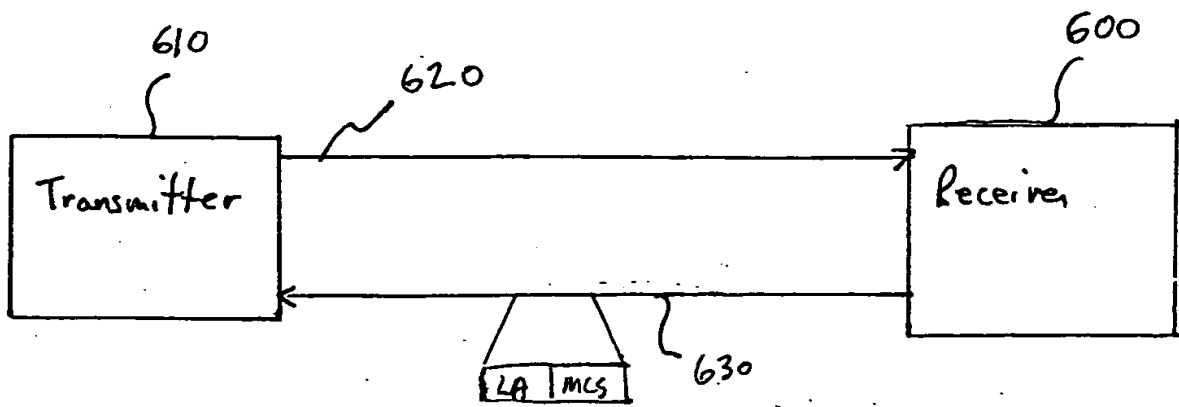


FIG. 6(d)

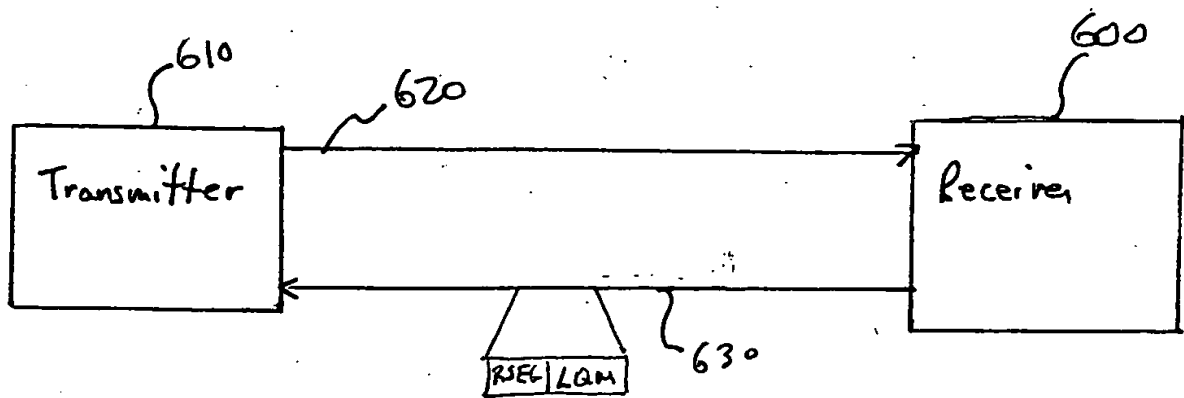


FIG. 6(e)

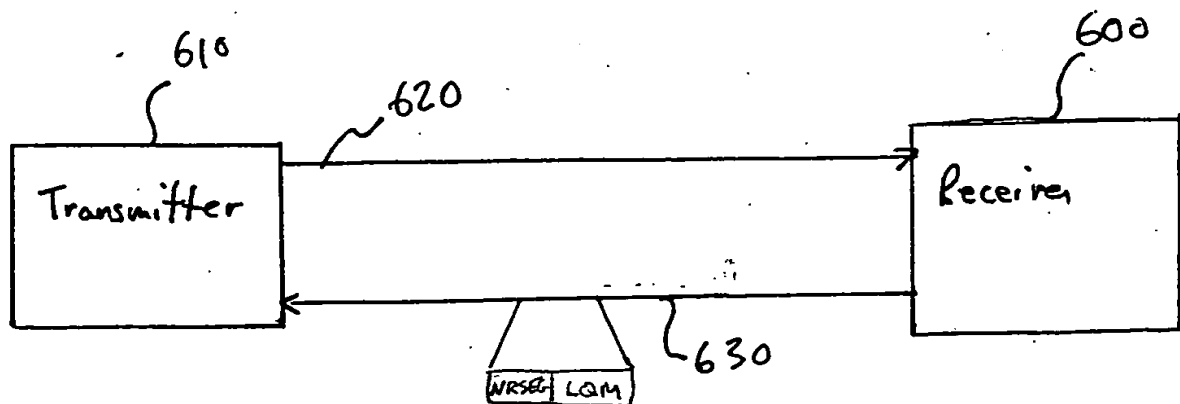


FIG. 6 (f)

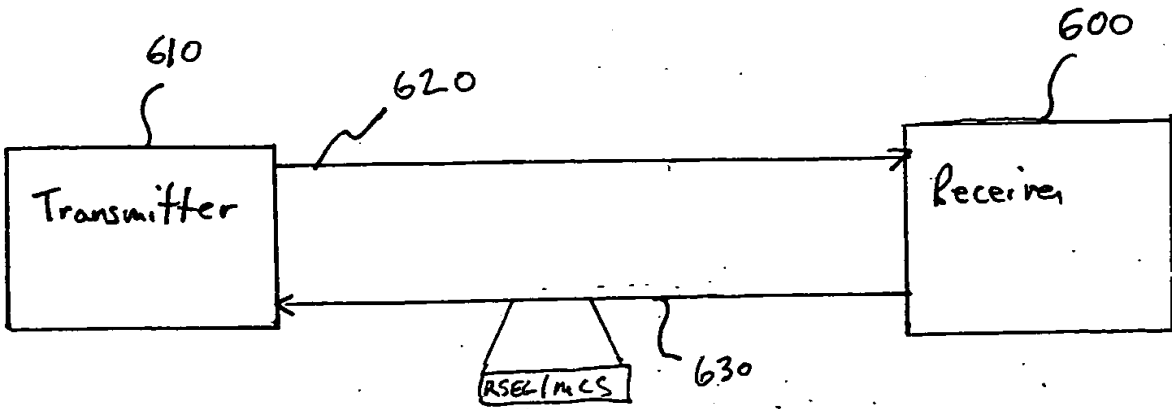


FIG. 6(g)

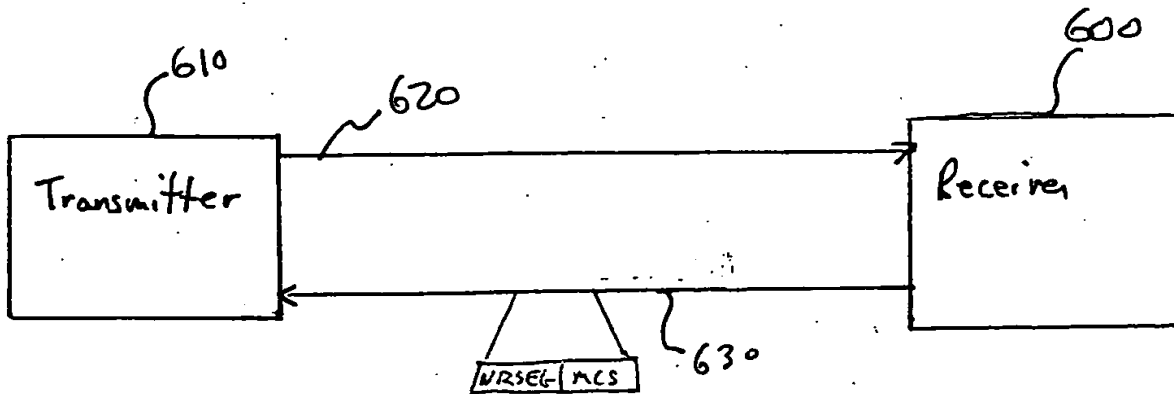


FIG. 6(h)

MCS of initial transmission of a block	Possible MCS of retransmissions of that block
MCS-8 (family A)	MCS-8, MCS-6, MCS-3
MCS-7 (family B)	MCS-7, MCS-5, MCS-2
MCS-6 (family A)	MCS-8, MCS-6, MCS-3
MCS-5 (family B)	MCS-7, MCS-5, MCS-2
MCS-4 (family C)	MCS-4, MCS-1
MCS-3 (family A)	MCS-3
MCS-2 (family B)	MCS-2
MCS-1 (family C)	MCS-1

FIG. 7

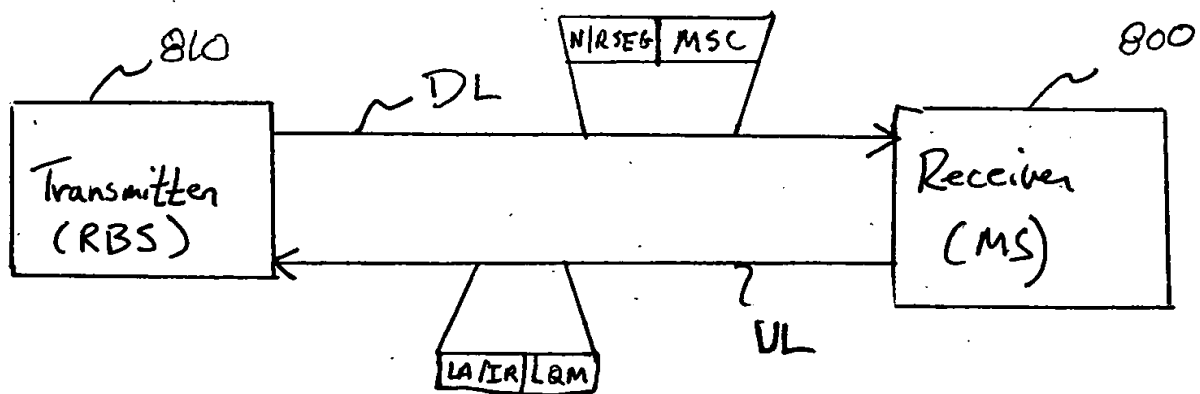


FIG. 8